

Title (en)

Vibratory rotation sensor with AC forcing voltages

Title (de)

Vibrierender Drehsensor mit Wechselspannungssteuerung

Title (fr)

Capteur de rotation à vibration utilisant une tension de commande alternative

Publication

EP 0859216 A2 19980819 (EN)

Application

EP 98101304 A 19980126

Priority

US 80200797 A 19970218

Abstract (en)

The method involves generating an ac voltage synchronized to the displacement of a point on the resonator when it is vibrating. Another ac voltage is generated with a different frequency and is synchronized to the displacement of a point on the resonator when it is vibrating. The ratio of the vibrational frequency of the VRS to the difference or sum of the two ac frequencies is an integer. A voltage difference is established between forcer electrodes and one or more conducting regions of the resonator's surface. The voltage difference established is equal to the difference between the two ac voltages.

IPC 1-7

G01C 19/56

IPC 8 full level

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CPC (source: EP US)

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